

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	US-6740500-\$.DID. "5975852".pn. "6291084".pn. "6153313".pn. "6255001".pn. "10248056".an.	US-PGPUB; USPAT	OR	ON	2006/09/26 14:43
S2	52	428/633.ccls. and (nickel adj aluminide) not S1	US-PGPUB; USPAT	OR	ON	2006/09/26 14:25
S3	91	428/632.ccls. and (nickel adj aluminide) not 1-2	US-PGPUB; USPAT	OR	ON	2006/09/26 14:31
S4	25	428/610.ccls. and (nickel adj aluminide) not 1-3	US-PGPUB; USPAT	OR	ON	2006/09/26 14:25
S5	83	416/241R.ccls. and (nickel adj aluminide) not1-4	US-PGPUB; USPAT	OR	ON	2006/09/26 14:25
S6	33	427/248.1.ccls. and (nickel adj aluminide) not 1-5	US-PGPUB; USPAT	OR	ON	2006/09/26 14:25
S7	31	(beta-phase adj nickel adj aluminide) not 1-6	US-PGPUB; USPAT	OR	ON	2006/09/26 14:26
S8	90	427/248.1.ccls. and (thermal adj barrier adj coating) not 1-7	US-PGPUB; USPAT	OR	ON	2006/09/26 15:23
S9	5	US-6340500-\$.DID. "5975852".pn. "6291084".pn. "6153313".pn. "6255001".pn. "10248056".an.	US-PGPUB; USPAT	OR	ON	2006/09/26 14:43
S10	3	(beta-phase nickel aluminide) (overlay coating) (thermal barrier coating)	JPO; DERWENT	AND	ON	2006/09/26 15:24
S11	3	(nickel aluminide coating) same peening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 10:33
S12	12	(overlay coating) with peening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 12:48
S16	22	(thermal barrier coating) same peening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 13:57
S17	4	improved aluminide bond coat	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 13:54

## EAST Search History

S18	69	aluminum adj5 peening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 14:01
S20	58	427/456,367,383.1.ccls. and (nickel aluminide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 15:15
S23	240	aluminum with peening	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 16:38
S24	594	cold working with aluminum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 16:42
S25	39	cold working with aluminum same coating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 17:48
S26	98	peen\$3 same (aluminum or Al) with (nickel or Ni)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 17:14
S27	386	peen\$3 same media	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 17:50
S28	20	peen\$3 same media with aluminum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 17:55
S29	79	(aluminum or nickel) same peening with particles	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 18:23
S30	0	(peening with particle) same (free with iron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 18:25

## EAST Search History

S31	7	peen\$3 same (free with iron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 18:25
S32	4	72/47.ccls. and peen\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 06:19
S33	557	72/53.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 06:19
S34	42	72/53.ccls. and (nickel or Ni) and (aluminum or Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 06:40
S35	82	peen\$3 with chromium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 07:50
S36	231	427/355.ccls. and aluminum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 08:50
S37	22	427/355.ccls. and shot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 07:51
S39	33	MCrAlY with peen\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 08:52
S40	6	MCrAlY with shot	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:01
S41	72	shot blast\$3 with nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:06

## EAST Search History

S43	5631848	stainless steel shot with (chromium or Cr) or (aluminum or Al) or (nickel or Ni)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:08
S44	1	stainless steel shot with (chromium or Cr) with (aluminum or Al) with (nickel or Ni)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:12
S47	43	shot with aluminum with nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:33
S48	0	("same composition" with coating) same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:44
S49	0	(peen\$3 or shot) with "same compound"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:46
S50	0	(peen\$3 or shot) with "similar compound"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:47
S51	208	coating same (metal not steel) with (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:49
S52	17	metal coating same (metal not steel) with (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 09:57
S53	.0	metal coating same "same composition" same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:00
S54	0	metal coating same "avoid contamination" same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:00

## EAST Search History

S55	10	"avoid contamination" same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:08
S56	6039	(metal not steel) same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:08
S57	3457	(metal not steel) with (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:09
S58	124	(metal not steel) with (peen\$3 or shot) with aluminum	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:13
S59	27	(metal not steel) with (peen\$3 or shot) with nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:21
S61	5	metal same ((peen\$3 or shot) with "same metal")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:34
S62	0	(aluminum coating) same (aluminum shot) same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:44
S64	68	(nickel adj2 alloy) with (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:52
S65	249	(peen\$3 or shot) same "same material"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 10:58
S66	78	(peen\$3 or shot) with "same material"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 11:01

## EAST Search History

S68	4	((chemically compatible) with (bond coat)) and (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 11:32
S69	8	compatible with (bond coat) and (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 11:33
S71	7	(overlay coating) with (form new grain boundaries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 15:32
S72	7	(new grain boundaries) same (nickel aluminide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 14:20
S73	20	(new grain boundaries) same recrystallization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 14:21
S74	143	recrystallization same (form with grain boundaries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 14:39
S79	7	(overlay coating) with (new grain boundaries)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 17:09
S80	3297	heat\$3 same recrystalliz\$5 same grain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 15:37
S81	82	heat\$3 same recrystalliz\$5 same (new grain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 15:42
S87	218	(peen\$3 or shot) with compatible	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 17:20

## EAST Search History

S90	0	(grain boundar\$3) same "not open"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 17:23
S91	1	(peen\$3 media) with (free and spinel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/03 17:28
S92	11	(peen\$3 or shot) same (chemically compatible)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 07:46
S93	6205	(peen\$3 or shot) with metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 07:48
S94	91	(peen\$3 or shot) with metal with nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 07:53
S95	10	peen\$3 with metal with nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:03
S96	1377	peen\$3 with metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:03
S97	682	peen\$3 with (metal not steel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:04
S98	6	peen\$3 with (metal not steel) same nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:05
S99	35	peen\$3 with (metal not steel) and nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:42

## EAST Search History

S10 0	28	(environmental coating) same powder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 08:55
S10 1	5	(environmental coating) same peen\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:01
S10 2	28	peen\$3 same (metal powder)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:25
S10 3	176	(peen\$3 or shot) media	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:26
S10 4	29	(peen\$3 or shot) media same coat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:26
S10 5	3	(peen\$3 or shot) same (iron contamination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:38
S10 6	26	(peen\$3 or shot) and (iron contamination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:39
S10 7	69	(peen\$3 or shot) and (iron with contamination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:39
S10 8	143	(peen\$3 or shot) and (iron same contamination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 09:51
S10 9	21	(new grain) same open	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:03



## EAST Search History

S11 0	1917	recrystalliz\$5 same coating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:04
S11 1	114	recrystallize with coating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:16
S11 2	22299	coating same (heat treatment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:17
S11 3	13832	coating with (heat treatment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:17
S11 4	6	coating with (heat treatment) same (new grain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 10:19
S11 6	88	(new grain) same surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 13:17
S11 8	43	(overlay or bond) coating same (peen\$3 or shot)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 13:47
S11 9	318	impinge with coating same metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 13:53
S12 0	183	impinge with coating with metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 13:56
S12 1	28	impinge with particles with coating with metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:00

## EAST Search History

S12 2	1	impinge with (overlay coating)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:08
S12 3	4	impinge same (overlay coating)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:13
S12 4	2032	impinge with particles with surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:14
S12 5	121	impinge with metal with particles with surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:15
S12 6	34	impinge with (metal particles) with surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/04 14:15

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	21	420/34.ccls. and (zirconium or hafnium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:10
L3	6	420/34.ccls. and yttrium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:14
L4	178	420/34.ccls. and (stainless steel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:15
L5	45	420/34.ccls. and (stainless steel) same nickel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:24
L6	3	420/34.ccls. and (stainless steel) same zirconium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:24
L8	272	420/40.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:34
L9	44	420/40.ccls. and (zirconium or hafnium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:35
L10	8	420/40.ccls. and (stainless steel) same (zirconium or hafnium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:42
L11	274	(stainless steel) same reduce with oxidation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:43

## EAST Search History

L13	0	(stainless steel composition) same reduce with oxidation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:44
L14	8	(stainless steel with composition) same reduce with oxidation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:45
L15	16	148/542.ccls. and (yttrium or hafnium or zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:48
L16	114	148/325.ccls. and (yttrium or hafnium or zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 12:48
L17	91	148/325.ccls. and (yttrium or hafnium or zirconium) and (stainless steel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:02
L18	1115	(stainless steel) same (oxidation resistance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:02
L19	28	(stainless steel) same (oxidation resistance) same yttrium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:09
L20	573	(stainless steel) with yttrium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:10
L21	332	(stainless steel) with yttrium same (hafnium or zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:11
L22	286	(stainless steel) with yttrium with (hafnium or zirconium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:11

## EAST Search History

L23	14	(stainless steel) with yttrium with (hafnium or zirconium) same oxidation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/05 13:55
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